



Flipping the Classroom: ENGAGING STUDENTS BOTH IN AND OUT OF THE CLASSROOM

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Flipping the Classroom

Goals:

Enhance student learning

Prepare students for an engaging classroom environment





Perceived challenges to providing an engaging classroom environment.

- Students do not come to class prepared.
- Too much material to present, not enough time.





Teaching and Learning is a shared responsibility

Professor

Provide a **structured** self-learning environment outside of the classroom.

Provide practical, professional or personal relevance to the information in the classroom.

(POGIL)



Student

Come to class prepared. Complete self-learning activities of learning objectives outside of classroom.

Be punctual, attentive, focused, present, cooperative, and ask questions in the classroom.

Provide a structured self-learning environment outside of the classroom



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- Reading assignments
- Associated electronic media (VOPP, tutorials, video clips, discussion boards, etc)
- Accompanying homework assignment – open ended questions structured around learning objectives
- Online quiz for self-assessment of learning objectives
- Goal: Come to class Knowing what you do not Know



Create an interactive learning environment inside the classroom

- Provide practical, professional or personal relevance to the information in the classroom.

Answer that ever present question: “Why do I need to know this?”

- Get students involved in the discussion

- Student/faculty discussion
- Student/student discussion



- Small group activities

- Peer to peer instruction





Student Buy-In

Assignments must have Value

- **To have value, student work must impact grade**
(Incentivize out of class learning activities)
 - HW 20%
 - Quizzes 10%
 - Reaction Papers 10%
 - Class participation 10%
- **All Exam Questions** come from either HW, Quizzes, or In-Class Activities
 - While exams still account for 50% of course grade, students who complete the HW, quizzes, and attend class feel confident and prepared for exams!



Faculty Buy-In

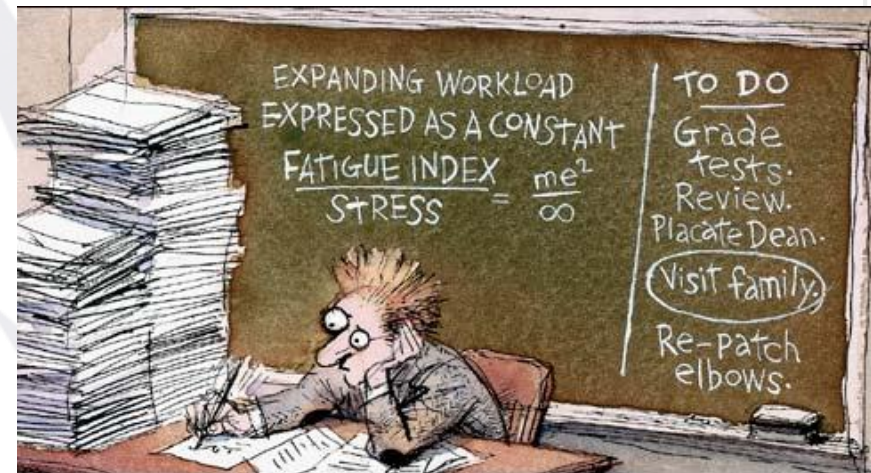
Pro

Con

- Students come to class prepared
- Increased student/teacher interaction
- Increased student/student interaction
- Increased student engagement
- Enhanced learning

- **More work**

- Developing out of class activities
- Developing in class activities
- Grading/assessment





Summary

- Given proper structure and direction, undergraduate students will satisfactorily complete self-learning modules and arrive in class prepared to optimize their time with the instructor.



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Thank You!

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